

Datasheet for ABIN7555421
SETDB2 Protein (AA 1-719) (His tag)



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Overview

Quantity:	1 mg
Target:	SETDB2
Protein Characteristics:	AA 1-719
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SETDB2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SETDB2 Protein expressed in mammalian cells.
Sequence:	MGEKNGDAKT FWMELEDDGK VDFIFEQVQN VLQSLKQKIK DGSATNKEYI QAMILVNEAT IINSSTSIKG ASQKEVNAQS SDPMPVTQKE QENKSNAFPS TSCENFPED CTFLT TENKE ILSLEDKVV D FREK DSSSNL SYQSHDCSGA CLMKMPLNLK GENPLQLPIK CHFQRRHAKT NSHSSALHVS YKTPCGRSLR NVEEVFRYLL ETECNFLFTD NFSFNTYVQL ARNYPKQKEV VSDVDISNGV ESVPISFCNE IDSRKLPQFK YRKT VWPRAY NLTNFSSMFT DSCDCSEGC I DITKACLQL TARNAKTSPL SSDKITTGYK YKRLQRQIPT GIYEC SLLCK CNRQLCQNRV VQHGPQVRLQ VFKTEQKGWG VRCLDDIDRG TFVCIYSGRL LSRANTEKSY GIDENGRDEN TMKNIFSKKR KLEVACSDCE VEVLPLGLET HPRTAKTEKC PPKFSNNPKE LTVETKYDNI SRIQYHSVIR DPESKTAIFQ HNGKKMEFVS SESVTPEDND GFKPPREHLN SKTKGAQKDS SSNHVDEFED NLLIESDVID ITKYREETPP RSRCNQATTL DNQNIKKAIE VQIQKPQEGR STACQRQQVF CDEELLSETK NTSSDSLTKF NKGNVFLLDA TKEGNVGRFL NHSCCPNLLV QNVFVETHNR NFPLVAFFTN RYVKARTELT WDYG YEAGTV PEKEIFCQCG VNKCRKKIL

Product Details

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: SETDB2

Alternative Name: SETDB2 ([SETDB2 Products](#))

Background: Histone-lysine N-methyltransferase SETDB2 (EC 2.1.1.366) (Chronic lymphocytic leukemia deletion region gene 8 protein) (Lysine N-methyltransferase 1F) (SET domain bifurcated 2),FUNCTION: Histone methyltransferase involved in left-right axis specification in early development and mitosis. Specifically trimethylates 'Lys-9' of histone H3 (H3K9me3). H3K9me3 is a specific tag for epigenetic transcriptional repression that recruits HP1 (CBX1, CBX3 and/or CBX5) proteins to methylated histones. Contributes to H3K9me3 in both the interspersed repetitive elements and centromere-associated repeats. Plays a role in chromosome condensation and segregation during mitosis.

Target Details

{ECO:0000269|PubMed:20404330}.

Molecular Weight: 81.9 kDa

UniProt: [Q96T68](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months